IM for ES00217W（246664）

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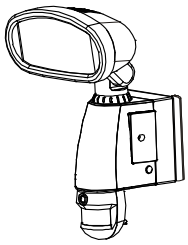
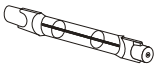
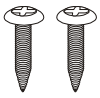
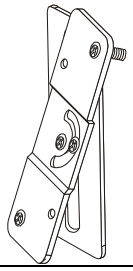
Contents of packaging

- Motion Sensor Light with Video Camera
- User Manual
- 1 Allen key
- 1pc 300W halogen light bulb
- 2GB SD card
- Accessory bag: 2pcs screws, 2pcs plastic masonry plugs, wall mount (cross bar), 3pcs wire nuts

(User manual and allen key are kept in one zip bag, please keep these accessories.)

①	②	③
		
Motion Sensor Light	**SD Card**	**Halogen Light Bulb**

④	⑤
User Manual	**Allen Key**

⑥	⑦	⑧	⑨
			
Screws	**Plastic Masonry plugs**	**Wall Mount (Cross Bar)**	**Wire nuts**

Motion Sensor Light with Video Camera overview

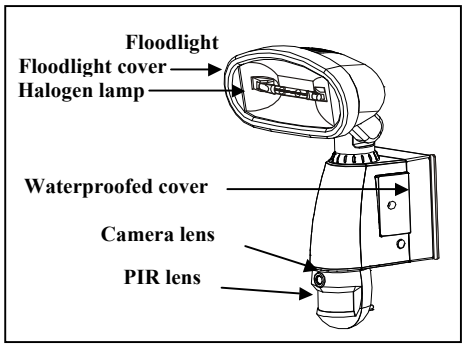


Fig. 1

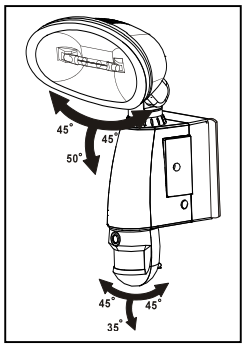


Fig. 2

Step 1. Assembly

Install/replace the halogen lamp (see fig. 3)

- Make sure to unplug unit or turn off power first.
- Remove floodlight cover by unscrewing floodlight screws using a Phillips head screw driver.
- If replacing a bulb, take out the existing halogen light bulb (part no.③)
- Put in new 300 Watt maximum halogen light bulb (part no.③).
- Replace floodlight cover tightening screws carefully.

*** Caution: Never touch the bulbs with your bare hands.**
Always use a clean cloth when handling the bulbs.

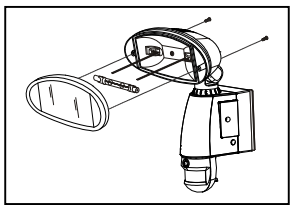


Fig. 3

Step 2. Insert/remove SD card (see fig. 4):

- Unscrew the waterproofed cover using provided Allen key (part no.⑤), then insert the SD card (part no.②) until it automatically locks into place.
- If you need to remove the SD card (part no.②), please press OFF button and take it out within 30 seconds.
- When LED light turns green, meaning SD card (part no.②) is being read, do not remove SD card (part no.②) or data may be lost.
- To remove SD card (part no.②), push in SD card (part no.②) once to eject, then pull out.

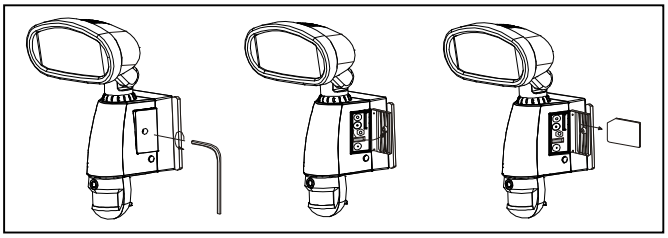


Fig. 4

Step 3. Installing the Motion Sensor Light with Video Camera

IMPORTANT
IF IN ANY DOUBT ABOUT THE INSTALLATION OF THIS PRODUCT, CONSULT A QUALIFIED ELECTRICIAN
- This product must be grounded
- Do not mount the unit against inflammable surfaces
- The motion detector will not operate correctly if it is installed:
  - ① Near the outlet of a central heating boiler
  - ② Near air conditioning plant
  - ③ Pointing directly at moving vehicles
  - ④ Within sight of reflections from moving water
  - ⑤ Where other lamps could shine on the detector

BEFORE ATTEMPTING ANY INSTALLATION OR MAINTENANCE, ENSURE THAT THE ELECTRICAL SUPPLY IS SWITCHED OFF AND THE CIRCUIT FUSES REMOVED OR THE CIRCUIT BREAKER IS IN THE OFF POSITION.
Please make sure the voltage and polarity are correct before connection. Incorrect voltage may cause electric shock. If you are not sure, please contact your retailer.

Note: It is recommend to mount Motion Sensor Light with Video Camera 6 – 7ft above the ground for optimum performance, do not mount the fixture below 3.94ft. See below figure for details of performance range.

Detection range: 32.8ft x 180° (see fig. 5)

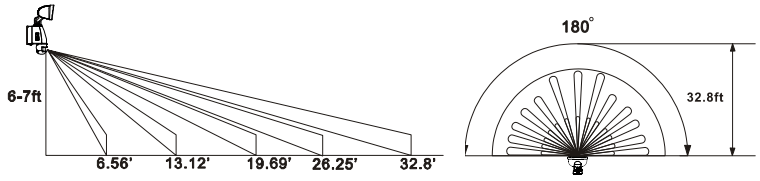


Fig. 5

Installation to a junction box using crossbar mounts (see fig. 6 & fig. 7):

1. Attach the crossbar (part no.⑧) to junction box and fix by screw C.
2. Feed the cable through the back mounting plate.
3. Fix the mounting plate to crossbar (part no.⑧) by screw D
4. Connect the black wire (live wire) from the AC power cord to the single black wire coming from Motion Sensor Light using one of the supplied wire nuts (part no.⑨).
5. Connect the white wire from the AC power cord to the white wire coming from Motion Sensor Light using one of the supplied wire nuts (part no.⑨).

6. Connect the green/yellow wire from the AC power cord to the green/yellow wire coming from Motion Sensor Light using one of the supplied wire nuts (part no.⑨).
7. Make sure the polarity is correct.
8. Attach the unit to the mounting plate. You will first need to angle the unit back so that the catch at the top of the mounting plate fits into slot on the back of the unit. Next lower the unit until holes at the bottom of the mounting plate and unit are flush. Then screw (screw A) into this hole, tightening carefully.

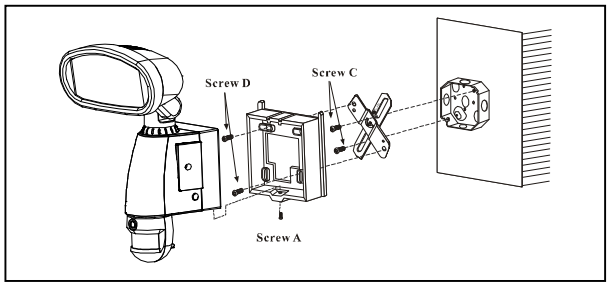


Fig. 6

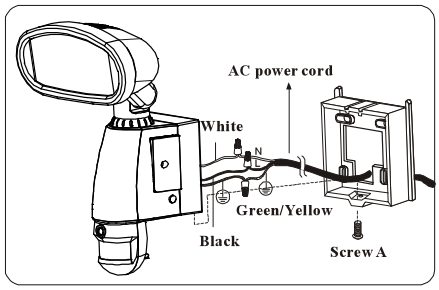


Fig. 7

Installing your Motion Sensor Light with Video Camera on surface without a junction box. (see fig. 7 & fig. 8)

1. Place plastic masonry plugs (part no.⑦) into desired surface aligning holes as shown below. Using an electric screwdriver, fasten mounting plate directly to surface using screws E (part no. ⑥).
2. Feed the cable through the back mounting plate.
3. Connect the black wire (live wire) from the AC power cord to the single black wire coming from Motion Sensor Light using one of the supplied ire nuts (part no.⑨).
4. Connect the white wire from the AC power cord to the white wire coming from Motion Sensor Light using one of the supplied wire nuts (part no ⑨).
5. Connect the green/yellow wire from the AC power cord to the green/yellow wire coming from Motion Sensor Light using one of the supplied wire nuts (part no.⑨).
6. Make sure the polarity is correct.
7. Attach the unit to the mounting plate. You will first need to angle the unit back so that the catch at the top of the mounting plate fits into slot on the back of the unit. Next lower the unit until holes at the bottom of the mounting plate and unit are flush. Then screw (screw A) into this hole, tightening carefully.

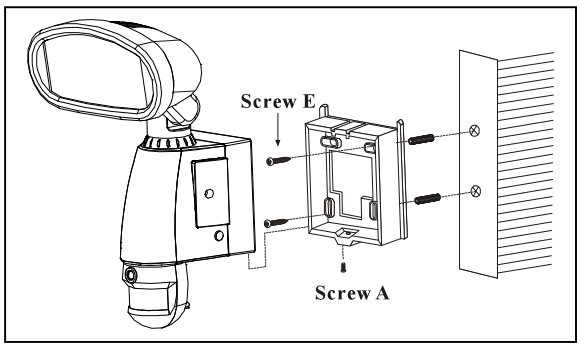


Fig. 8

Please allow 1 minute warm-up time after switching on.
*** Push the RESET button after switching on.**

Remove plastic lens cover from camera after installation.
(see fig. 9)

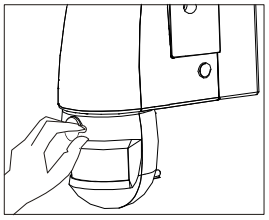


Fig. 9

Step 4. Adjusting the Settings (see fig. 10~12)

- **Time control**：Turn the time control knob to"+" side to increase the illumination time (7 minutes max.), turn the control knob to "－" side to reduce the illumination time (30 seconds min.).

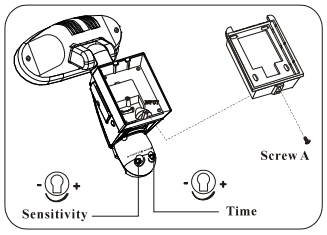


Fig. 10

- **Sensitivity control**：Adjust the detector range of Passive Infrared Motion Sensor (± 6.56ft ~ 32.8ft)

- **Selecting working mode:**
  Mode 1: Suggested setting when out of town
  - Light + camera + speaker: all day detection
  - Daytime and nighttime: light, camera and speaker are all in operation

  Mode 2: Suggested for day to day use

- Light at night + camera all day + speaker in the daytime
- Daytime: light is off, camera is on, speaker is on
- Nighttime: light is on, camera is on, speaker is off

Mode 3: Perfect for a place of business

- Light at night + camera all day + speaker at night
- Daytime: light is off, camera is on, speaker is off
- Nighttime: light is on, camera is on, speaker is on

- **Audio mode:** for selecting which audio message will play when motion sensor detects movement.
  - Pre-set default is "You are trespassing!"
  - Push one time for "Warning! You are being videotaped"
  - Push again for "dog barking"
  - Push again for " OFF (silent mode)"

- **LED indicator** :for indicating the function status of the unit by different color LED lights.
  1) Red： SD card (part no.②) is not inserted into the SD slot or the system is malfunctioning.
  2) Green： The unit is recording or USB is inserted and connecting with the computer
  3) LED off: stand by（SD card is inserted into the slot）, when off/record button is pressed

  * Please note when off/record button is pressed, remove SD card (part no.②) within 30 seconds (now the LED will turn red after SD card is removed from the slot)

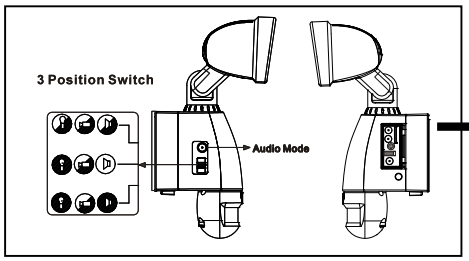


Fig. 11

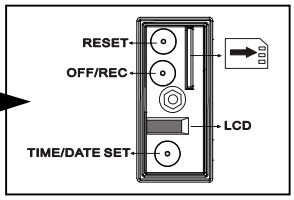


Fig. 12

- **Reset button**： restore functions to default settings
  1) Press RESET button once each time you turn on unit.
  2) Please press this button in case of system malfunction.

- **Off/Rec**：Please press OFF/REC button to remove SD card (part no.②). Please remove card within 30 seconds of pressing the OFF/REC button to avoid loss of data.

Step 5. Set the Date and Time：

This will allow the security video taken by Motion Sensor Light to display the correct date and time it was taken.

Push TIME/DATE SET button (see fig. 13) for 3 seconds. The LCD screen will then flash 3 times, indicating you have entered Time/Date setting mode.

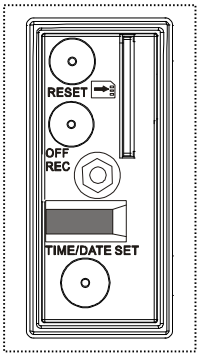


Fig. 13

1. "YEAR"setting："Y" and "08" are displayed on the screen; push the button to set year from "08-99", push the button again and hold for 3 seconds to scroll through numbers quickly. If you have not pressed the button for 3 seconds, it will automatically save the year and go on to allow you to set the month.

2. Repeat the same setting procedure for **MONTH/DATE/HOUR/MINUTE**.

3. "VIDEO/PHOTO "setting：when entering this mode, these two icons and "V" appear on the screen; push the button to choose"V"（Video）or "P"（Photo）. If you have not pushed any buttons for 3 second, "OK" will appear on the screen, indicating it has automatically saved the current settings. The LCD screen will shut off automatically 10 seconds later.

* On the"P" (photo) setting, Motion Sensor Light will take a series of digital photographs at a rate of 3 photos every second when the motion

sensor is triggered

①	Start	②	YEAR Setting
③	MONTH Setting	④	DATE Setting
⑤	HOUR Setting	⑥	MINUTE Setting
⑦	VIDEO/ PHOTO Setting	⑧	Finish

Step 6. Viewing video

Viewing image by computer through a card reader (see fig. 14)

- Open the waterproofed cover on the Motion Sensor Light with Video Camera
- Press OFF/REC button and remove SD card (part no.②) from the slot.
- Put the SD card (part no.②) into a card reader, connect card reader to computer, and open any media player to view the video.

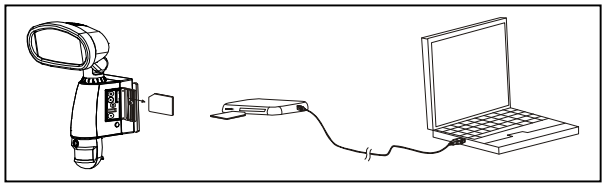


Fig. 14

Technical Specifications

Features and specification：

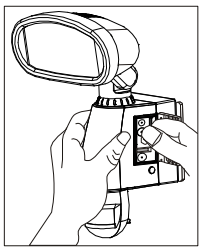
- PIR detection angle 180 Deg and detection range up to 32.8ft
- Records 20 seconds image recording for image stream: 10fps at 640*480 Pixels
- Built in SD card slot for SD memory card
- SD card slot for additional storage, max memory size up to 2G
- SD card spec.: FAT
- Automatic exposure control, white balance and sharpness
- Auto Date & Time stamp
- Effective viewing angle：60 deg
- Effective viewing distance: 26.24 feet
- Image format: JPEG AVI File
- Powered by AC 110V to 120V（subject to requirement）
- Halogen tube 300W
- Auto light sensor.
- Sensitivity control
- Floodlight time delay control

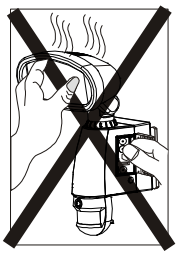
General Information and safety

Special care instructions!!!

- The Motion Sensor Light with Video Camera is designed to be weather resistant. Never attempt to immerse the unit in water or any other liquid. This will damage the unit and void the warranty.
- This product is designed to illuminate, video, and make verbal announcements. It will not prevent the commission of any act, legal or illegal. The manufacturer assumes no liability for any damage to property, injury to person, or death.
- Use a soft lens cloth for cleaning lens. Avoid touching lens with fingers.
- Remove dirt or stains with a soft cloth dampened with water or neutral detergent. Keep the Smartguard™ Motion Light with Video Camera in a dry and cool dust-free environment or container when it is NOT used
- Do not open the Motion Sensor Light with Video Camera for unauthorized service. This could cause serious damage to the unit and will void the warranty.
- This Motion Sensor Light with Video Camera is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers may expose you to the danger of electric shock or other risks.
- To avoid risk of burns due to high temperature do not touch the floodlight when it is turned on.

CAUTION!!!





FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modification to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limited for Class B digital device, pursuant to Part 15 of the FCC Rules. Their limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FAQ (Frequently Asked Questions) Section

Q. How many pictures does the SD card hold?

A: The capacity of the included SD card is 2 GB. The number of video files that amount to 2GB varies, as the size in bytes of each 20-second video clip will vary depending on the amount of brightness, color, and movement in each video clip. The clips typically vary from 2MB to 8MB.

SD Card	File Size	Q'ty of File(approx.)
1G	2Mb	500
1G	8Mb	125
2G	2Mb	1000
2G	8Mb	250

*Note: A 2GB SD card comes included in the Motion Sensor Light packaging, but you may substitute that SD card for any SD card at your discretion.

Q. What happens when the card is full?

A: Motion Sensor Light will automatically return to the oldest file and save over it each time a new video clip is stored. That means you don't have to take out the SD card unless you wish to review or save the video files.

Q. Can I transfer pictures from the camera via cable?

A: No, you can't. If your computer has an SD card slot, you may insert the SD card directly into the computer and access the files by going to My Computer and opening the removable for the SD card, which should appear when you insert the card. See Step. 6 "Viewing video" in your instruction manual for details. If you don't have an SD card slot, you may purchase an SD card reader from any retailer that sells electronics. Once you have an SD card reader, simply insert the card into the reader and attach the reader to your computer using a USB slot (not included in this packaging), and access the data the same way as explained above.

Q. Can I view a live image of what the camera sees?
A: No, you can't. There is no USB port available with Motion Sensor Light.